

SEP 20 2006

**FROMMER LAWRENCE & HAUG LLP**

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**FACSIMILE COVER LETTER**

**To:** Group Art Unit 1743  
**Firm:** U.S. Patent and Trademark Office  
**Facsimile:** 571-273-8300  
**From:** Deborah L. Lu, Registration No. 50,940  
**Date:** September 20, 2006  
**Re:** Application No. 10/808,256  
FLH Reference No. 674182-2013

**Number of Pages:** 9  
(including cover page)

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 and 1.98 and LIST OF REFERENCES CITED BY APPLICANT for filing in connection with U.S. Application No. 10/808,256.

Sincerely,

  
Deborah L. Lu  
Registration No. 50,940

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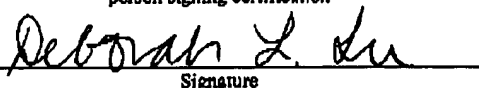
SEP 20 2006

PATENT  
674182-2013**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Mian et al.  
Serial No. : 10/808,256  
For : Devices and methods for using centripetal acceleration to drive  
fluid movement in a microfluidics system  
Filed : March 23, 2004  
Examiner : Sines, Brian J  
Group Art Unit : 1743  
Confirmation No. : 4157

**FACSIMILE**

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person signing certification  
Signature

September 20, 2006

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745 Fifth Avenue  
New York, NY 10151**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 and 1.98**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is respectfully drawn to the enclosed documents listed on the accompanying PTO Form 1449. In accordance with C.F.R. § 1.98(d), no copy of those documents previously submitted to or cited by the U.S. Patent and Trademark Office in predecessor application U.S. Patent Application No. 09/989,582 filed November 20, 2000, of which this application is a divisional, is submitted herewith.

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PATENT  
674182-2013

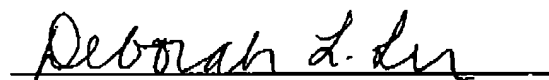
Pursuant to 37 CFR §1.97(b)(3), Applicants request the Examiner to consider this Information Disclosure Statement, and to make of record the documents cited on the accompanying PTO form 1449 and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

It is believed that no fees are required by the instant submission as it is prior to receipt of the first Office Action on the merits. However, if any fees are required for this paper, or if any overpayment has been made, please charge Deposit Acct. No. 50-0320.

Respectfully submitted,  
FROMMER LAWRENCE & HAUG LLP

By:



Thomas J. Kowalski

Reg. No. 32,147

Deborah L. Lu, Ph.D.

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|---|---|--------------------------|-----------------|
| Substituted for form 1449A/PTD<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | <b>Complete if Known</b> |                 |
|   |   | Application No.          | 101808,256      |
|   |   | Filing Date:             | March 23, 2004  |
|   |   | First Named Inventor     | Milan et al.    |
|   |   | Group Art Unit           | 1743            |
|   |   | Examiner Name            | Sines, Brian J. |
|   |   | Attorney Docket No.      | 674182-2013     |
| Sheet   | 1 | of                       | 6               |

| U.S. PATENT DOCUMENTS |                  |                      |                                      |  |  |   |
|-----------------------|------------------|----------------------|--------------------------------------|--|--|---|
| Examiner<br>Initials* | Cite<br>No.<br>1 | U.S. Patent Document |                                      | Name of Patentee or Applicant of<br>Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines<br>Where Relevant<br>Passages or Figures Appear |
|                       |                  | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |   |
|                       |                  | 4,729,862            |                                      | Sataliello et al.                                  | July 21, 1981  |   |
|                       |                  | 4,361,291            |                                      | Ekins et al.                                       | April 26, 1983   |   |
|                       |                  | 4,615,889            |                                      | Klose et al.                                       | May 7, 1985  |   |
|                       |                  | 4,678,952            |                                      | Edelmann et al.                                    | June 30, 1987  |   |
|                       |                  | 4,745,072            |                                      | Ekins  | May 17, 1988   |   |
|                       |                  | 5,160,702            |                                      | Kopf-SM  | November 3, 1982                                       |   |
|                       |                  | 5,171,695            |                                      | Ekins  | December 15, 1992                                      |   |
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|                       |                  | 5,242,803            |                                      | Burtis et al.                                      | September 7, 1993                                      |   |
|                       |                  | 5,409,665            |                                      | Burd   | April 25, 1996   |   |
|                       |                  | 5,413,732            |                                      | Buhl   | May 9, 1995  |   |
|                       |                  | 5,432,009            |                                      | Tabata   | July 11, 1995  |   |
|                       |                  | 5,472,603            |                                      | Schembri   | December 5, 1995                                       |   |
|                       |                  | 5,008,749            |                                      | White  | April 6, 1981  |   |
|                       |                  | 5,262,294            |                                      | Krey   | October 12, 1993                                       |   |
|                       |                  | 5,304,487            |                                      | Wiking   | April 19, 1994   |   |
|                       |                  | 6,368,704            |                                      | Madou  | November 29, 1994                                      |   |
|                       |                  | 3,679,367            |                                      | Nageramith   | July 25, 1972  |   |
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|                       |                  | 4,154,793            |                                      | Gulgan   | May 15, 1979   |   |

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| Examiner<br>Signature |  | Date<br>Considered |  |
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<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English translation is attached.

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|  |   |    |   | Application No.          | 10/808,256     |
|  |   |    |   | Filing Date:             | March 23, 2004 |
|  |   |    |   | First Named Inventor     | Mian et al.    |
|  |   |    |   | Group Art Unit           | 1743           |
|  |   |    |   | Examiner Name            | Sines, Brian   |
| Sheet  | 2 | of | 6 | Attorney Docket No.      | 674182-2013    |

| U.S. PATENT DOCUMENTS |                          |                      |                                      |  |  |   |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant of<br>Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines<br>Where Relevant<br>Passages or Figures Appear |
|                       |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |   |
|                       |                          | 5,188,844            |                                      | Burd   | February 18, 1993                                      |   |
|                       |                          | 5,122,284            |                                      | Brayn et al.                                       | June 18, 1992  |   |
|                       |                          | 5,304,348            |                                      | Burd et al.  | April 19, 1994   |   |
|                       |                          | 5,457,053            |                                      | Burd et al.  | October 10, 1995                                       |   |
|                       |                          | 5,478,760            |                                      | Berslein et al.                                    | December 28, 1995                                      |   |
|                       |                          | 5,591,843            |                                      | Schembri et al.                                    | January 7, 1997  |   |
|                       |                          | 5,518,930            |                                      | Burd et al.  | May 21, 1998   |   |
|                       |                          | 5,472,603            |                                      | Schembri et al.                                    | December 5, 1997                                       |   |
|                       |                          | 5,893,233            |                                      | Schembri   | December 2, 1997                                       |   |
|                       |                          | 5,496,520            |                                      | Kelton et al.                                      | March 5, 1996  |   |
|                       |                          | 5,061,381            |                                      | Burd   | October 28, 1991                                       |   |
|                       |                          | 5,242,806            |                                      | Brayn et al.                                       | September 7, 1993                                      |   |
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|                       |                          | 5,173,183            |                                      | Schembri   | December 22, 1992                                      |   |
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|                       |                          | 5,596,411            |                                      | Schembri   | February 4, 1997                                       |   |
|                       |                          | 5,636,428            |                                      | Cottingham   | June 17, 1997  |   |
|                       |                          | 6,319,489            |                                      | Mian et al.  | November 20, 2001                                      |   |

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| Examiner<br>Signature |  | Date<br>Considered |  |
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (MPEP Standard ST.2). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under MPEP Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English translation is attached.

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|  |                  |    |   | Application No.          | 101808,256    |  |
|  |                  |    |   | Filing Date              | March 23 2004 |  |
|  |                  |    |   | First Named Inventor     | Mian et al.   |  |
|  |                  |    |   | Group Art Unit           | 1743          |  |
| Examiner Name  | Shirley Brian J. |    |   |                          |               |  |
| Attorney Docket No.  | 674182-2013      |    |   |                          |               |  |
| Sheet  | 3                | of | 6 |                          |               |  |

| FOREIGN PATENT DOCUMENTS |                  |                         |                     |                                      |   |  |  |                |
|--------------------------|------------------|-------------------------|---------------------|--------------------------------------|---|--|--|----------------|
| Examiner<br>Initials*    | Cite<br>No.<br>1 | Foreign Patent Document |                     |                                      | Name of Patentee or<br>Applicant of Cited<br>Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines<br>Where Relevant<br>Passages or Figures<br>Appear | T <sup>2</sup> |
|                          |                  | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |   |  |  |                |
|                          |                  | WO                      | 93/22063            |                                      | Trustees of the<br>University of PENN                 | 11/11/83   |  |                |
|                          |                  | WO                      | 93/22058            |                                      | Trustees of the<br>University of PENN                 | 11/11/83   |  |                |
|                          |                  | EP                      | 417,305             | A1                                   | Idemitsu Petrochemical<br>Co. Ltd.                    | 3/20/81  |  |                |
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|                          |                  | EP                      | 637,397             | B1                                   | ABAXIS, Inc.  | 12/10/97   |  |                |
|                          |                  | WO                      | 95/33888            |                                      | ABAXIS, Inc.  | 12/14/95   |  |                |

| OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials*                                | Cite No. <sup>1</sup> | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English translation is attached.

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| Examiner<br>Signature |  | Date<br>Considered |  |
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| Substitute for form 1449A/PTO   |   | Complete if Known    |                 |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | Application No.      | 101808,256      |
|   |   | Filing Date:         | March 23, 2004  |
|   |   | First Named Inventor | Ulan et al.     |
|   |   | Group Art Unit       | 1743            |
|   |   | Examiner Name        | Sines, Brian J. |
|   |   | Attorney Docket No.  | 674182-2013     |
| Sheet   | 4 | of                   | 6               |

| OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS |             |   |                |
|---|-------------|---|----------------|
| Examiner<br>Initials*                             | Cite<br>No. | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | 7 <sup>o</sup> |
|   |             | Ballantine et al., "Surface Acoustic Wave", (June 1989), Anal. Chem., 61/11: pp. 704-716.   |                |
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|   |                     | Filing Date:             | March 23, 2004  |
|   |                     | First Named Inventor     | Milan et al.    |
|   |                     | Group Art Unit           | 1743            |
|   |                     | Examiner Name            | Sines, Brian J. |
| Sheet 5 of 6  | Attorney Docket No. | 674182-2013              |                 |

| OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS |             |   |  |
|---|-------------|---|--|
| Examiner<br>Initials                              | Cite<br>No. | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |  |
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|   |   | Group Art Unit       | 1743            |
|   |   | Examiner Name        | Sines, Brian J. |
|   |   | Attorney Docket No.  | 674182-2013     |
| Sheet   | 6 | of                   | 6               |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS |                          |  |                |
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| Examiner<br>Initials*                              | Cite<br>No. <sup>1</sup> | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume- issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|  |                          | Reno et al., "A Versatile Microdisc Module for a Centrifugal Analyzer" (1974), Clin. Chem., 20/8:855-860.  |                |
|  |                          | Rosenzweig et al., "Laser-Based Particle-Counting Microimmunoassay for the Analysis of Single Human Erythrocytes" (1994), Anal. Chem., 66: 1771-1776   |                |
|  |                          | Schembri et al., "Portable Simultaneous Multiple Analyte Whole-Blood Analyzer for Point-of-Care Testing" (1992), Clin. Chem., 38/9: 1665-1670  |                |
|  |                          | Shoji & Esashi, "Micro flow cell for blood gas analysis realizing very small sample volume" (1992), Sensors and Actuators, B8: 205-208.  |                |
|  |                          | Widling et al., "Manipulation and Flow of Biological Fluids in Straight Channels: Micromachined in Silicon" (1994), Automat. Analyt. Tech., 40: 43-47.   |                |
|  |                          | Widling et al., Manipulation and Flow of Biological Fluids in Straight Channels: Micromachined in Silicon (1994), Clin. Chem., 40/1: 43-47.  |                |
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